

CLAIMS

I claim as my invention:

1. A structural thermal framing and panel system for assembling finished or unfinished walls with multiple panel combinations for nonpoured walls which comprises at least one framing stud assembly having sufficient thickness, width and length, at least one straight panel having sufficient thickness, width and length, at least one outside 90 degree corner insulated panel having sufficient thickness, width and length, and/or at least one inside 90 degree corner insulated panel having sufficient thickness, width and length, and/or at least one inside 45 degree corner insulated panel having sufficient thickness, width and length, and/or at least one outside 45 degree corner insulated panel having sufficient thickness, width and length, at least one top shaped header having sufficient thickness, width and length, at least one top shaped header having sufficient thickness, width and length, at least one shaped slotted connector angle having sufficient thickness, width, and length having at least one slotted received hole for said top tab.
2. The structural thermal framing and panel system for assembling




finished or unfinished walls with multiple panel combinations for nonpoured walls according to Claim 1 wherein said framing stud assembly having one first end having one web having sufficient thickness, width and length, one flange having sufficient thickness, width and length, at least one interlock tab having sufficient thickness, width and length, one top tab having sufficient thickness, width and length, one bottom tab having sufficient thickness, width and length, at least one electric utility hole having sufficient area to accommodate electric wires.

3. The structural thermal framing and panel system for assembling finished or unfinished walls with multiple panel combinations for nonpoured walls according to Claim 1 wherein said framing stud assembly having one second end having one web having sufficient thickness, width and length, one flange having sufficient thickness, width and length, at least one slotted interlock receiver hole having sufficient area to accommodate said interlock tab located on said first end allowing said interlock tab to firmly hold said first end to said

second end, one bottom tab having sufficient thickness, width and length, at least one electric utility hole having sufficient area to accommodate electric wires, at least one rebar holder for holding at least one horizontal rebar.

4. The structural thermal framing and panel system for assembling finished or unfinished walls with multiple panel combinations for nonpoured walls according to Claim 1 wherein said straight panel having one top groove having sufficient area to accommodate one said top shaped header, one said top shaped header, at least one said shaped slotted connector angle having at least one said slotted receiver hole to accommodate said top tab located on said framing stud top surface, two inset area locations having sufficient area to accommodate said flange located on said framing stud assembly, said inset area and said slot are used to locate said framing stud assembly on said straight panel.

5. The structural thermal framing and panel system for assembling finished or unfinished walls with multiple panel combinations for

nonpoured walls according to Claim 1 wherein said outside 90 degree corner insulated panel and/or said inside 90 degree insulated panel and/or said inside 45 degree corner insulated panel and/or said outside 45 degree corner insulated panel having one said top groove having sufficient area to accommodate one said top  shaped header, one said top  shaped header, at least one said  shaped slotted connector angle having at least one said slotted receiver hole to accommodate said top tab located on said framing stud top surface, two inset area locations having sufficient area to accommodate said flange located on said framing stud assembly, two said slot locations for said flange on said framing stud assembly, said inset area and said slot are used to locate said framing stud assembly on insulated panels.

6. A structural thermal framing and panel system for assembling finished or unfinished walls with multiple panel combinations for poured walls which comprises at least one said framing stud assembly, at least one straight thin insulated panel having sufficient thickness, width and length, at least one 90 degree long thin corner thin insulated panel having sufficient thickness,

width and length, at least one 90 degree short corner thin insulated panel having sufficient thickness, width and length, and/or at least one inside 45 degree corner thin insulated panel having sufficient thickness, width and length, and/or at least one outside 45 degree corner thin insulated panel having sufficient thickness, width and length, at least one said shaped slotted connector angle, having at least one slotted received hole for accommodating said top tab of said framing stud assembly, with multiple panel combinations for poured walls having two panels side by side having a space between them for concrete filler, at least one horizontal rebar as required.

7. The structural thermal framing and panel system for assembling Finished or unfinished walls with multiple panel combinations for poured walls according to Claim 6 wherein said framing stud assembly having one said first end, having one said web, one said flange, at least one said interlock tab, one said top tab, one said bottom tab, at least one said electric utility hole having sufficient area to accommodate electric wire.

8. The structural thermal framing and panel system for assembling Finished or unfinished walls with multiple panel combinations for poured walls according to Claim 6 wherein said framing stud assembly having one said second end having one said web, one said flange, at least one said slotted interlock receiver hole having sufficient area to accommodate said interlock tab located on said first end allowing said interlock tab to firmly hold said first end to said second end, one said bottom tab, at least one electric utility hole having sufficient area to accommodate electric wires, at least one said rebar holder for holding at least one said horizontal rebar.

9. The structural thermal framing and panel system for assembling finished or unfinished walls with multiple panel combinations for poured walls according to Claim 6 wherein said straight insulated panel having sufficient thickness, width and length, at least one 90 degree long corner thin insulated panel having sufficient thickness, width and length, at least one 90 degree short corner thin insulated panel having sufficient thickness, width and length, an/or at least one

45 degree long corner thin insulated panel having sufficient thickness, width and length, and/or at least one 45 degree short corner thin insulated panel having sufficient thickness, width and length, having between panels concrete filler having sufficient thickness, width and length, all panels having said slot in two locations for said flange on said framing stud assembly, at least one said L shaped slotted connector angle having at least one said slotted receiver hole to accommodate said top tab located on said framing stud top surface, two inset area locations having sufficient area to accommodate said flange located on said framing stud assembly, two slot locations for said flange on said framing stud assembly, said inset area and said slot are used to locate said framing stud assembly on said straight thin insulated panel, on said 90 degree long corner thin insulated panel on said 90 degree short corner thin insulated panel, on said 45 degree long corner thin insulated panel, on said 45 degree short corner thin insulated panel.

10. The structural thermal framing and panel system for

assembling finished or unfinished walls with multiple panel combinations for poured and nonpoured walls according to Claim 2 and Claim 7 wherein one said top tab with the feature to be bent in a 90 degree angle after being received through said slotted received hole in said L shaped slotted connector angle. Said bottom tab with the feature to be bent in a 90 degree angle to be used to attach said framing stud assembly to footing.

11. The structural thermal framing and panel system for assembling finished or unfinished walls with multiple panel combinations for poured and nonpoured walls according to Claim 3 and Claim 8 wherein said framing stud assembly having at least one said interlock tab located on said first end and at least one said interlock receiver hole located on said second end allowing said framing stud assembly to be adjusted to various wall widths.